

ABSTRACT OF THE DISCLOSURE

A ball screw apparatus has: a screw shaft including a screw groove; a nut movably fitted with the screw shaft and including a screw groove; a large number of balls rollably disposed in a loaded raceway; and a side cap mounted on the outer peripheral portion of the nut and including a ball circulation passage for scooping up the balls rolling along the loaded raceway in a direction coincident with the lead angle of the two screw grooves and returning the balls to the loaded raceway, wherein, the two screw grooves are respectively formed as multiple thread screws and the side cap is disposed on each of the multiple threads.